Converting Colors

RGB(123, 200, 120)

Have a look what the booklet for RGB(123, 200, 120) contains.

Color

RGB(123, 200, 120)

Conversions

Conversions Part 1

Format	Color
Hex	7BC878
RGB	123, 200, 120
RGB Percent	48%, 78%, 47%
CMY	0.5176, 0.2157, 0.5294
CMYK	0.38, 0.00, 0.40, 0.22
HSL	118°, 42%, 63%
HSV	118°, 40%, 78%
XYZ	32.2128, 46.8756, 25.1194
YIQ	167.8570, -20.2120, -41.2040

Conversions

Conversions Part 2

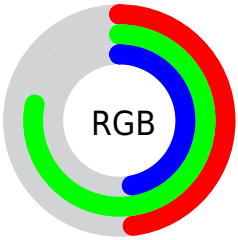
Format	Color
RYB	120, 200, 197
Decimal	8112248
CIELab	74.11, -39.80, 32.70
CIELCh	74, 51.511, 140.594
Yxy	46.8756, 0.3091, 0.4498
Android (android.graphics.Color)	4286302328 (0xFF7BC878)
YUV	167.8570, -23.5935, -39.3396
Hunter-Lab	68.4657, -35.8316, 26.1731

Details

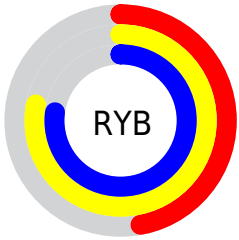
The RGB color 123, 200, 120 is a dark color, and the websafe version is hex 66CC66. A complement of this color would be 197, 120, 200, and the grayscale version is 168, 168, 168.

A 20% lighter version of the original color is 178, 255, 173, and 69, 145, 70 is the 20% darker color. If you saturate the color by 10%, you get 104, 200, 100, and if you desaturate by 10%, it is 142, 200, 140.

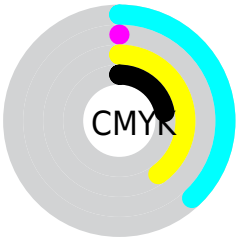
Distribution



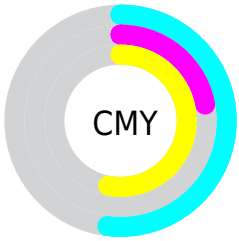
- Red (48%)
- Green (78%)
- Blue (47%)



- Red (47%)
- Yellow (78%)
- Blue (77%)



- Cyan (38%)
- Magenta (0%)
- Yellow (40%)
- Black (22%)



- Cyan (52%)
- Magenta (22%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RGB color 123, 200, 120 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 123, 200, 120 by changing the saturation by 10% instead.

123, 200, 120

255, 255, 255

178, 255, 173

207, 255, 201

236, 255, 229

123, 200, 120

96, 172, 95

69, 145, 70

41, 119, 46

1, 94, 22

0, 70, 0

0, 46, 0

0, 23, 0

0, 0, 0

123, 200, 120

123, 200, 120

104, 200, 100

85, 200, 80

65, 200, 60

46, 200, 40

27, 200, 20

8, 200, 0

142, 200, 140

162, 200, 160

181, 200, 180

200, 200, 200

219, 200, 220

239, 200, 240

255, 200, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

178, 190, 90

123, 200, 120

29, 205, 165

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

123, 200, 120

54, 192, 255

255, 144, 151

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

123, 200, 120

197, 120, 200

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

255, 144, 199

123, 200, 120

162, 176, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

123, 200, 120

0, 202, 254

226, 157, 243

255, 157, 111

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

123, 200, 120

0, 207, 198

226, 157, 243

255, 143, 167

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

123, 200, 120

226, 255, 224

200, 196, 120

110, 128, 110

0, 0, 0

128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

123, 200, 120

137, 255, 133

120, 200, 156

90, 99, 90

6, 163, 0

1, 36, 0

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

197, 120, 200

250, 133, 255

200, 120, 164

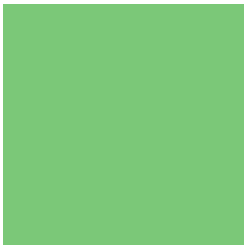
99, 90, 99

157, 0, 163

34, 0, 36

Previews

White Background

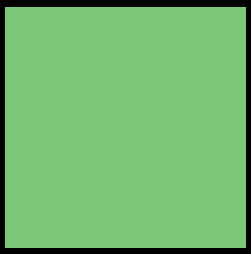


This preview shows how the RGB color 123, 200, 120 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 123, 200, 120 looks on a black background.

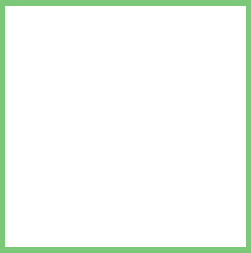
Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 123, 200, 120 Background

This preview shows how black text looks on a background with the RGB color 123, 200, 120.

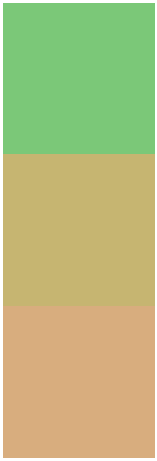


This preview shows how white text looks on a background with the RGB color 123, 200, 120.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

Dichromacy



Original Color
123, 200, 120

Protanopia
198, 181, 113

Deuteranopia
216, 173, 126

Tritanopia
139, 190, 205

Trichromacy

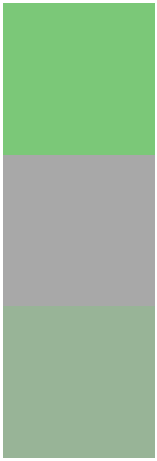
Original Color
123, 200, 120

Protanomaly
171, 188, 116

Deuteranomaly
182, 183, 124

Tritanomaly
133, 194, 174

Monochromacy



Original Color
123, 200, 120

Achromatopsia
168, 168, 168

Achromatomaly
152, 180, 151

CSS Examples

Text

The CSS property to change the color of the text to RGB 123, 200, 120 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(123, 200, 120) looks like.

```
.text, #text, p{
    color:rgb(123, 200, 120)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(123, 200, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 200, 120) }
```

Border

The CSS property to change the border of an element to RGB 123, 200, 120 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(123, 200, 120) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(123, 200, 120) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(123, 200, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 200, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 200, 120); box-shadow:4px 4px 4px 4px rgb(123, 200, 120) }
```

Background

The CSS property to change the background color of an element to RGB 123, 200, 120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(123, 200, 120) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(123,
200, 120) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

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